

Bisector Graphs for

# Min-/Max-Volume Roofs

over Simple Polygons

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- Bisector Graphs  $\leftrightarrow$  Roof Model
- Wavefront Propagation
- Additional Events
- Number of Facets:  $\mathcal{O}(n^2)$
- Algorithm: Min / Max
  - Time:  $\mathcal{O}(n^3 \log n)$
  - Space:  $\mathcal{O}(n^3)$  /  $\mathcal{O}(n^2)$

